ARG65526
anti-SCIMP antibody [NVL-07]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [NVL-07] recognizes SCIMP
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IP, WB
Specificity	The clone NVL-07 recognizes intracellular part of human transmembrane adaptor SCIMP. This protein of 17 kDa predicted Mw migrates as a 22 kDa band on SDS PAGE.
Host	Mouse
Clonality	Monoclonal
Clone	NVL-07
Isotype	IgG2a
Target Name	SCIMP
Species	Human
Immunogen	Recombinant intracellular part of human SCIMP
Conjugation	Un-conjugated
Alternate Names	SLP65/SLP76, Csk-interacting membrane protein; UNQ5783; C17orf87; SLP adapter and CSK-interacting membrane protein

Application Instructions

Application table

Application	Dilution
FACS	Assay-dependent
ICC/IF	Assay-dependent
IP	Assay-dependent
WB	Assay-dependent

Application Note: FACS: Intracellular staining.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

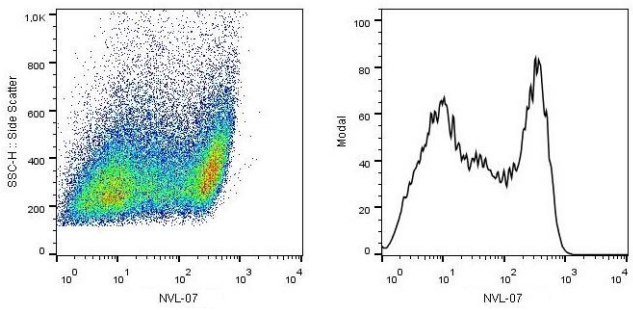
Form	Liquid
Purification	Purified from cell culture supernatant by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide

Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 388325 Human Swiss-port # Q6UWF3 Human
Gene Symbol	SCIMP
Gene Full Name	SLP adaptor and CSK interacting membrane protein
Background	SCIMP (SLP adaptor and Csk interacting membrane protein), also known as Nvl, is a palmitoylated transmembrane adaptor protein expressed in professional antigen presenting cells, most prominently in the lymph nodes and spleen. It is associated with tetraspanin-enriched microdomains (together with MHC II). There is a close relationship between SCIMP and tyrosinkinase Lyn, which is constitutively bound to it by its SH3 domain. After MHC II-mediated stimulation in the immunological synapse SCIMP becomes phosphorylated at several tyrosine residues and provides docking sites for Grb2 and SLP65 or SLP76 adaptors transducing the signal downstream, as well as for the kinase Csk with modulatory roles.
Function	Lipid tetraspanin-associated transmembrane adapter/mediator involved in major histocompatibility complex (MHC) class II signaling transduction. Required in generating the calcium response and enhancing ERK activity upon MHC-II stimulation. [UniProt]
Research Area	Immune System antibody; Signaling Transduction antibody
Calculated Mw	17 kDa
PTM	Phosphorylated. Phosphorylation occurs on tyrosine residues by tyrosine-protein kinases LYN and SRC upon MHC-II stimulation. Palmitoylated.

Images



ARG65526 anti-SCIMP antibody [NVL-07] FACS image

Flow Cytometry: A population of SCIMP transfected HEK293T cells stained with ARG65526 anti-SCIMP antibody [NVL-07]. The staining pattern reflects heterogeneity in the cell population regarding transfection efficiency.